

## ABSTRACT OF THE INVENTION

A system and method is provided for monitoring interference in a wireless communication system. The system and method monitor error statistic data at one or more devices in a wireless communication system. The error statistic data can be utilized to determine the location of the interference. If any unusual error statistic data is present at the one or more of the devices, raw unprocessed data is provided from the devices experiencing unusual error activity. The raw unprocessed data can be utilized to characterize the interference. For example, the raw unprocessed data can be compared to one or more interference templates to determine an interference type. The raw unprocessed data can be compared between devices in the wireless communication system to determine the location of the interference with increased precision.